



Town of Clarkson Office of the Supervisor Pre-Disaster Mitigation Plan

Appendix B – 2T

Hazard Specific Analysis: Water Supply Failure

Definition:

“Disruption in delivery or flow of water to users in publicly maintained water supply systems.”¹

Description:

The Town of Clarkson obtains its water from the Monroe County Water Authority. Monroe County receives water supply from Lake Ontario, two of the local Finger Lakes (Canadice and Hemlock), municipal wells, and private wells. Contamination of these water bodies, or failure of water treatment plants, could result in a critical shortage of water supply in the region. In addition, pollution or contamination of the water supply could result in significant illness or death. Water is an obvious vital resource and appropriately has a hazard rank of ----

Overview of specific hazard locations and the extent of the hazard:

Water Supply Failure may affect all or part of the Town of Clarkson.

Previous occurrences of the hazard:

The Town of Clarkson or Monroe County has not experienced water supply failure for any critical duration in the past, however, if such an event were to occur, much of the population could be adversely affected. This event could also present as a cascade event due to weather or contamination. Water supply failure can also result from terrorist activities.

Probability of future occurrences and potential magnitude:

The fluctuation in alert status by the U.S. Department of Homeland Security since 9/11/01 has prompted additional security measures at local reservoirs and water treatment plants. While the probability of an event is not necessarily high, the hazard rating indicates that the potential magnitude of this event would be significant.

Maps of hazard areas:

¹ HAZNY

Map is not required due to widespread geographic potential.

Analysis of the impact on business, infrastructure & critical facilities:

This event may:

- ?? Restrict business activities.
- ?? Cause significant illness or death.
- ?? Restrict adequate fire control measures and fire suppression.

Specific information concerning estimated value (\$) of potential loss, damage to structures, casualties, etc:

Specific information regarding past damage value estimates is not applicable.

Notes on data limitations: None